



Interoffice Memo
Office of Design Policy & Support

DATE: 4/30/2021

FILE: P.I.# 0013802
Brooks County / GDOT District 4 - Tifton
SR 122 Bridge Replacement @ Brice Pond Tributary & Okapilco Creek

FROM: *for* *Dane Peters*
R. Christopher Rudd, PE, State Design Policy Engineer

TO: SEE DISTRIBUTION

SUBJECT: APPROVED DETOUR REPORT

Attached is the approved Detour Report with Notice of Detour Approval for the above subject project.

Attachment

Distribution:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3
Albert Shelby, Director of Program Delivery
Darryl VanMeter, Assistant Director of P3/State Innovative Delivery Administrator
Kim Nesbitt, Program Delivery Administrator
Bobby Hilliard, Program Control Administrator
Eric Duff, State Environmental Administrator
Donn Digamon, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Erik Rohde, State Project Review Engineer
Eric Conklin, State Transportation Data Administrator
Attn: Systems & Classification Branch
Van Mason, District Engineer
Jason Willingham, District Preconstruction Engineer
Dennis Carter, District Planning & Programming Coordinator
Paul Kaspereen, Area Manager - D4, A1
Matt Sanders, Project Manager
BOARD MEMBER - 8th Congressional District



Detour Report

DATE: 3/24/2021

FILE: P.I.# 0013802
Brooks County / GDOT District 4 - Tifton
SR 122 @ BRICE POND TRIB & @ OKAPILCO CREEK

FROM: for Kimberly W. Nesbitt, State Program Delivery Administrator

TO: R. Christopher Rudd, P.E., State Design Policy Engineer
Attn: Dave Peters, P.E., State Conceptual Design Group Manager

SUBJECT: Request for Detour Approval

Description and Project Proposal: This project proposes to replace the existing bridges on SR 122 over Brice Pond Tributary and Okapilco Creek, located approximately seven miles east of Pavo, Georgia. The posted speed limit is 55 miles per hour (mph).

The existing roadway is comprised of two 12-ft travel lanes with 6-ft rural shoulders. The existing 420-ft by 27.9-ft bridge over Brice Pond Tributary has two 11-ft travel lanes with 1-ft shoulders. The existing 800-ft by 25.7-ft bridge over Okapilco Creek has two 11-ft travel lanes with 1-ft shoulders. The proposed roadway and both of the proposed bridges will have two 12-ft travel lanes and 6-ft rural shoulders on both sides.

The total length of the project is approximately 1.0 mile. SR 122 will be closed for approximately 18 months to construct the new bridges in the same locations as the existing bridges. Traffic will use a designated off-site detour.

Concept Approval Date: December 1, 2017

Reason a Detour is Required: The proposed off-site detour provides this two-bridge replacement project with the shortest construction time of 18 months and the lowest overall construction costs. Additionally, this option has the least impacts to existing wetlands and streams, no impacts to utilities, and can be constructed within the existing Right-Of-Way (ROW). The overall construction cost is approximately \$8,364,000, and the environmental resources mitigations cost is approximately \$9,000.

An alternative of realigning the existing roadway permanently to the north of SR 122 to travel on new alignment is not desirable, as it has more complex construction, higher overall construction costs of approximately \$10,200,000, and a longer construction time of 36 months. This alternative has impacts to utilities, wetlands, and ROW. Additional costs for utility relocations are approximately \$22,200,

ROW costs are approximately \$96,000, and environmental mitigations costs are approximately \$51,700.

An alternative of realigning the existing roadway permanently to the south of SR 122 to travel on new alignment is not desirable, as it has higher overall construction costs of approximately \$10,825,000 and a longer construction time of 36 months. This alternative has impacts to utilities, wetlands, streams, and ROW. Additional costs for utility relocations are approximately \$22,200, ROW costs are approximately \$152,000, and environmental mitigations costs are approximately \$663,700.

An alternative of building temporary bridges and roadway to the south of SR 122 on new alignment to use as an on-site detour while the new permanent bridges are constructed on the original alignment is not desirable, as it has highest overall construction costs of approximately \$14,250,000 and a longer construction time of 36 months. This alternative has the most impacts to utilities and environmental resources, and additional impacts to utilities and ROW. Additional costs for utility relocations are approximately \$22,200, ROW costs are approximately \$87,000, and environmental mitigations costs are approximately \$641,300.

Estimated Detour Construction: The duration for construction of these bridges is approximately 18 months which aligns with the anticipated detour.


Existing Traffic: The existing (2017) AADT is 450 vehicles and the 24-hr trucks is 13%.

Environmental Assessment of the Proposed Detour Route: The Office of Environmental Services concurs with the off-site detour route proposed for this project.

Public Detour Meeting Results: A Public Detour Open House was held on May 24, 2018 at Pavo City Hall located at 1010 E. Harris Street, Pavo, GA 31778. Public officials that attended the meeting were Mr. Joe Wingate, a Brooks County Commissioner, and Mr. Marvin Bryan, the Mayor of Pavo. Five members of the public attended the meeting. There was minor concern from the public over the project detour and the duration of the road closure. The public was given until June 7, 2018 to send in comments regarding the project. No comments were received.

Recommendations:

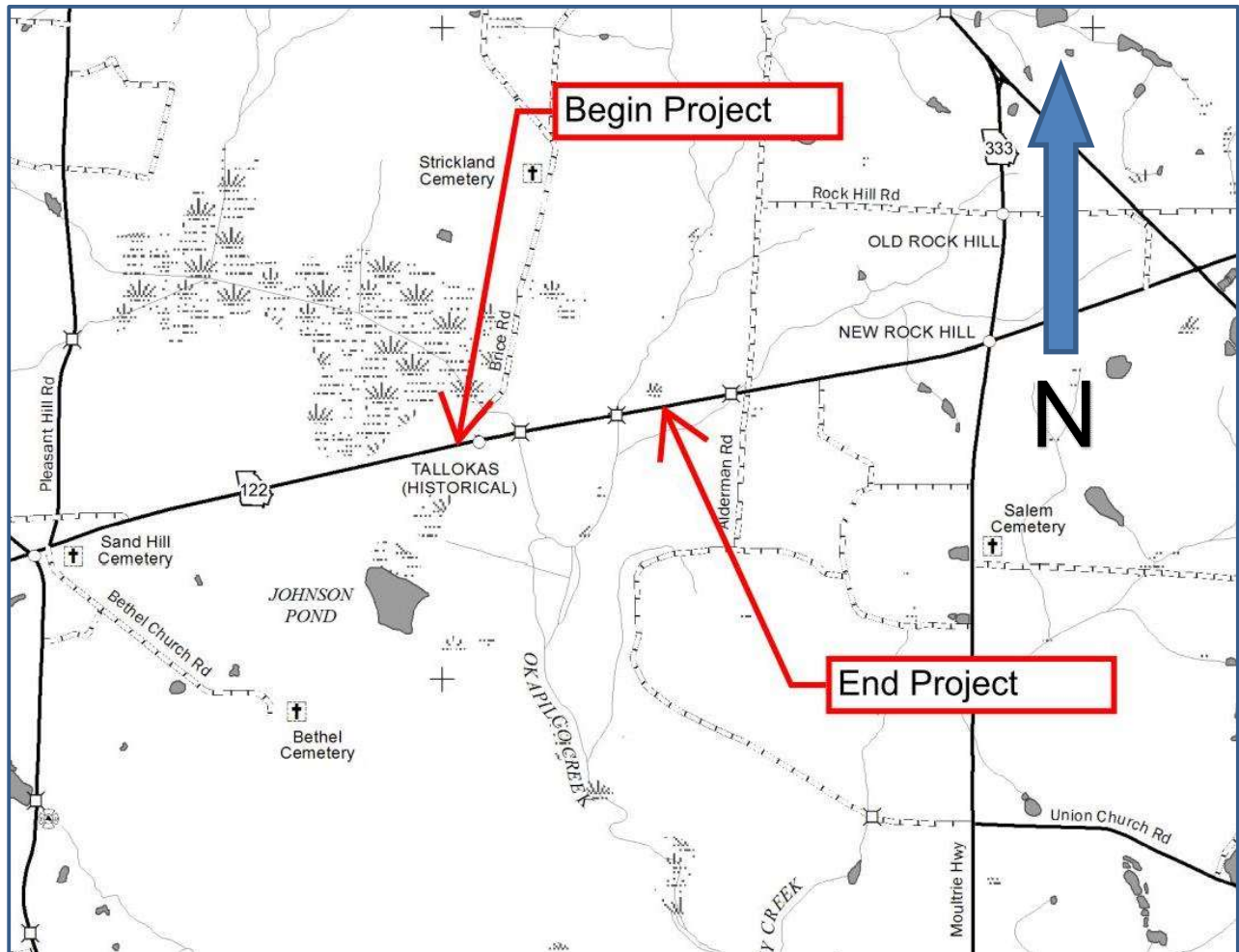
Recommend that the detour route for the project be approved and that the attached Notice be approved for advertising.

		
Concur:	_____	_____
	GDOT Director of Engineering	Date
		4-19-21
Approve:	 David Norwood	
	<small>Digitally signed by David Norwood Date: 2021.04.27 08:10:36 -04'00'</small>	
	_____	_____
	For GDOT Chief Engineer	Date
		4/27/2021

Attachments:

- Location Map
- Preferred Detour Routes
- Detour Meeting and Summary
- Local Emergency and Public Officials Detour Impact Forms
- Statement of OES concurrence
- Notice of Detour Approval

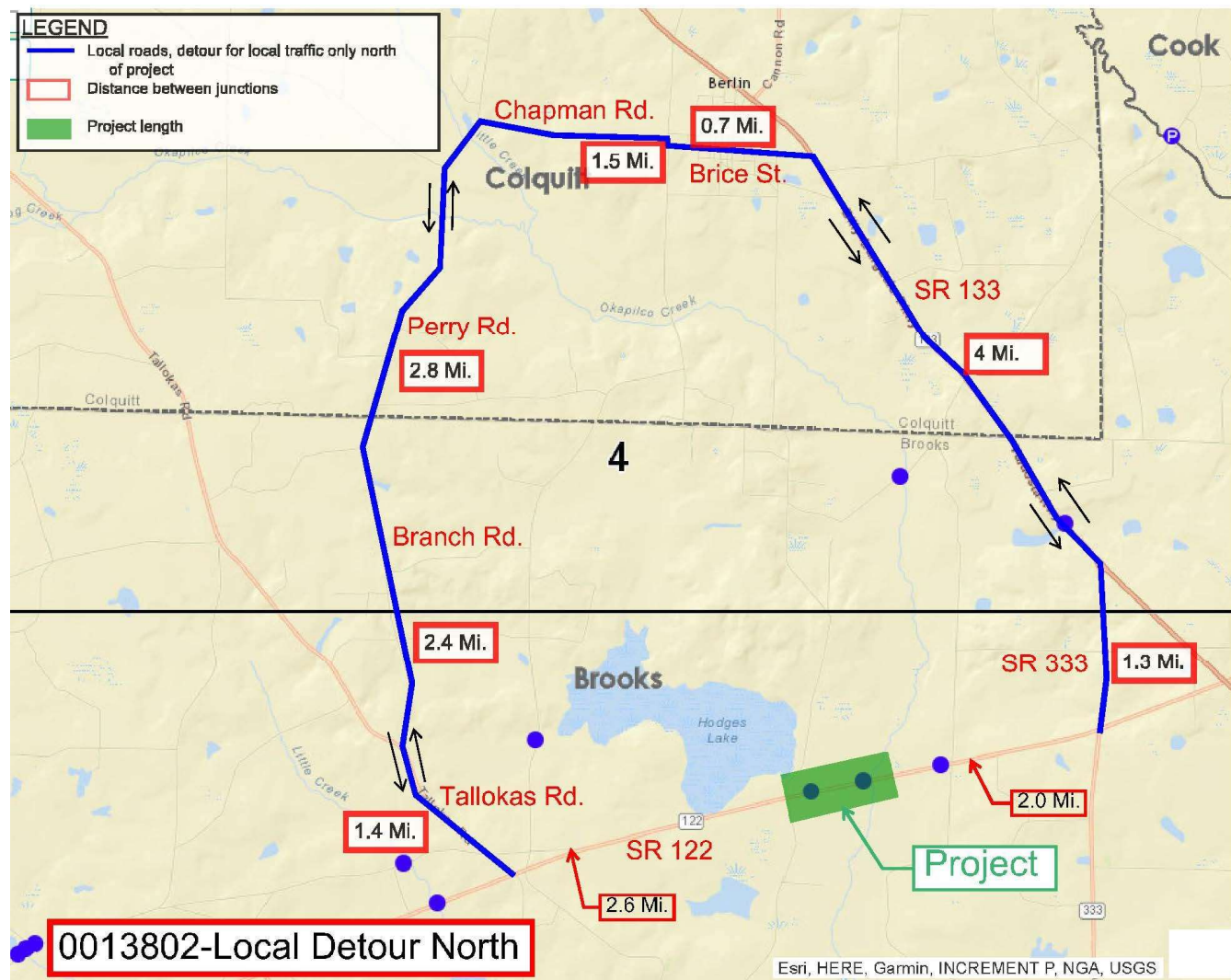
PROJECT LOCATION MAP



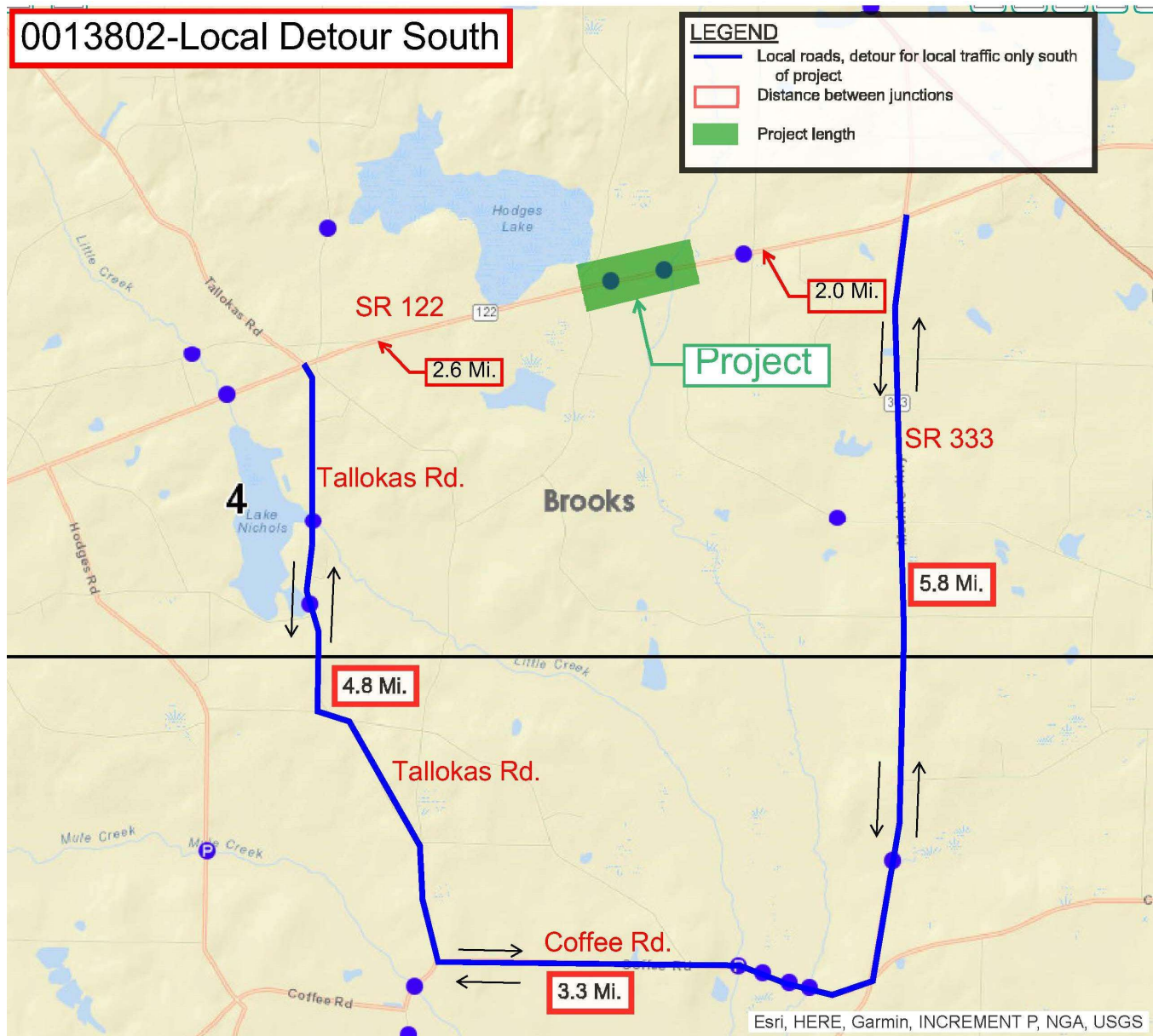
SR 122 @ Brice Pond Tributary and @ Okapilco Creek

PI 0013802

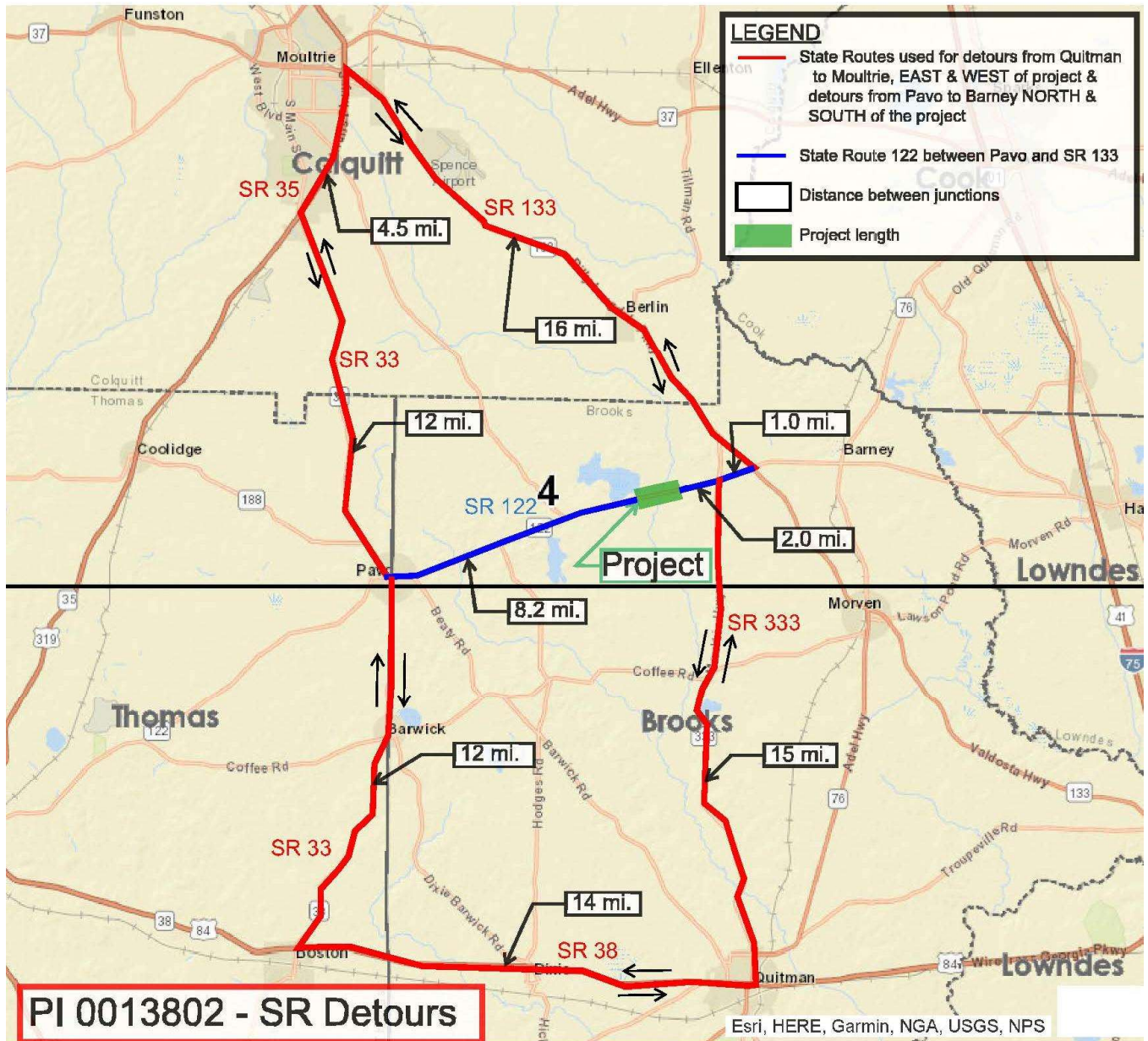
Brooks County, GA



Local Detour South Map
PI 0013802
STATE ROUTE 122 @ BRICE POND
TRIBUTARY & @ OKAPILCO CREEK



Local Detour North Map
PI 0013802
STATE ROUTE 122 @ BRICE POND
TRIBUTARY & @ OKAPILCO CREEK



State Route Detour Map
PI 0013802
STATE ROUTE 122 @ BRICE POND
TRIBUTARY & @ OKAPILCO CREEK

**Georgia Department of Transportation
To Hold
Detour Open House
For P.I. Nos. 0013801 & 0013802
Brooks County**

On Thursday, May 24, 2018 at Pavo City Hall 1010 E. Harris St. Pavo, GA 31778, the Georgia Department of Transportation will hold a Detour Open House concerning the project listed above.

P.I. No. 0013801: This project proposes to replace the structural deficient existing bridge on SR 122 @ Mule Creek, 2 miles east of Pavo. The proposed roadway and bridge will have two 12-foot lanes and 6-foot rural shoulders. An offsite detour will be utilized to close the roadway during construction, and the new bridge will be built in the same location as the existing bridge.

P.I. No. 0013802: This project proposes to replace structurally deficient existing bridges on SR 122 @ Brice Pond Tributary and @ Okapilco Creek. The proposed roadway bridges will have two 12-foot lanes and 6-foot rural shoulders. SR 122 will be closed, and the existing bridges will be replaced with new bridges at the same locations while traffic uses a designated off-site detour.

The purpose of this Detour Open House is to provide the public with an opportunity to view the proposed detour, ask questions, and to provide an opportunity for the public to comment on the project and the proposed detour.

The Open House will be held from 4:00 p.m. to 6:00 p.m. It will be informal, and the public is invited to attend anytime during these hours. There will be no formal presentation. A court reporter will be available to allow the public an opportunity to make verbal comments about the project.

Americans with Disabilities Act (ADA) Information:

The meeting site is accessible to persons with disabilities. Accommodations for people with disabilities can be arranged with advance notice by calling Dennis Carter at 229-391-5471.

Written statements will be accepted concerning this project until Thursday, June 07, 2018. Written statements may be submitted to:

Mr. Eric Duff
State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW – 16th Floor
Atlanta, Georgia 30308



May 24, 2018

Thank you for attending the Public Information Open House and Detour Meeting for the proposed State Route 122 @ Brice Pond Tributary & @ Okapilco creek, PI Number 00013802. Our goal is two-fold: 1) to provide you with information on the proposed project and 2) to provide an opportunity for you to give us your comments on the proposed project, which includes a traffic detour route that would be used during construction. In this handout package, you will find a description of the project, a location map, a map of the proposed detour, and a comment card.

As you enter the room, please take a look at the project display and the detour map. Georgia Department of Transportation (GDOT) representatives, wearing nametags, are available to discuss the project and answer your questions. There will be no formal presentation.

We hope you will take the opportunity to tell the GDOT what you think. Listed below are several ways to comment on the project. Your comments are important to us and, should you provide comments by one of the methods noted below, we will respond to you in writing usually within 30 days of the close of the comment period. All comments will become part of the project's official record.

While you are attending the open house, you can **provide your comments today** by filling out the comment card provided with this handout and dropping it in the comment box, or you may choose to provide your verbal comments to the court reporter who will transcribe your comments.

You can also **provide your comments by Thursday, June 07, 2018** by using any of the following methods:

- Online at www.dot.ga.gov/PS/Public/PublicOutreach.
 - From the menu, select the county in which the proposed project is located and click *Go*;
 - Then select *State Route 122 @ Brice Pond and Okapilco Creek*;
 - Lastly, click *Comment* and follow the instructions to leave your comments.
- Mail in your comment card to Mr. Eric Duff, Georgia Department of Transportation, 600 West Peachtree Street NW, 16th Floor, Atlanta, Georgia 30308.

The project displays and plans will be available for review for ten days after this open house at the website noted above. Hardcopies will also be available at the GDOT District 4, Area 4 Office located at 120 Veterans Pkwy N Moultrie, GA 31788. Following the ten-day public comment period, a copy of all comments received will be available by request at the Atlanta address listed above.

Again, thank you for attending this open house. If you should have any questions or need additional information, feel free to contact the project manager, Scott Mann, at 770-702-7033 or the environmental analyst, Jenna Osburn, at 404-347-0549 of the Office of Environmental Services.

Sincerely,

Eric Duff
State Environmental Administrator
Georgia Department of Transportation

Why We Are Here:

The Georgia Department of Transportation is proposing to replace two bridges on SR 122 in Brooks County. Both bridges were designed using an H-15 vehicle, which is below current design standards.

The bridge on SR 122 over Brice Pond Tributary, Structure ID 027-0033-0, was built in 1940. The bridge consists of twenty-one (21) spans of continuous steel beams on concrete caps with steel piles. The overall condition of this bridge would be classified as fair. The deck is in fair condition with moderate concrete cracking and spalls throughout the deck. The superstructure is in fair condition. The substructure is in fair condition with moderate cracking in all caps. This bridge is classified as having an unknown foundation and therefore could be at risk for scour.

The bridge on SR 122 over Okapilco Creek, Structure ID 027-0034-0, was built in 1941. The bridge consists of forty (40) spans of continuous steel beams on concrete caps with steel piles. A structural analysis of this bridge shows a lower than expected capacity in the substructure. The overall condition of this bridge would be classified as fair. The deck is in fair condition with moderate to heavy concrete cracking and spalls with exposed rebar. The superstructure is in fair condition with some minor corrosion noted. The substructure is in satisfactory condition with moderate to heavy cracking on the pier caps and spalls with exposed rebar. This bridge is classified as having an unknown foundation and therefore could be at risk for scour.

Due to the age of both structures, the structural integrity of these bridges pertaining to their design vehicle, the deterioration of the decks on both bridges, and the unknown foundation of the substructures, replacement of these bridges is recommended.

Project Description:

The project corridor is located approximately 7 miles east of Pavo, GA on SR 122 over Brice Pond Tributary and over Okapilco Creek with a posted speed limit of 55 miles per hour (mph). The existing roadway is comprised of two 12-foot lanes with 6-foot rural shoulders (1.5 feet paved, 4.5 feet grassed). The existing 420-foot by 27.9-foot Brice bridge has a sufficiency rating of 56.70 and two 11-foot lanes with 1-foot shoulders. The existing 800-foot by 25.7-foot Okapilco bridge has a sufficiency rating of 55.30 and two 11-foot lanes with 1-foot shoulders. The primary utilities in the corridor are overhead power and underground telecommunications.

The new bridges would include two 12-foot lanes and 6-foot shoulders on both sides. The roadway sections of the project would include two 12-foot lanes with 6-foot rural shoulders (2-foot paved, 4-foot grassed). The total length of the project is approximately 4,200 feet. SR 122 will be closed and the existing bridges will be replaced with new bridges at the same locations while traffic uses a designated off-site detour.

Peggi Fellows

From: Dollar, Robert (Bobby) <RDollar@dot.ga.gov>
Sent: Tuesday, May 29, 2018 12:14 PM
To: Osbun, Jenna C
Subject: FW: PI# 0013801 & 0013802 , Brooks County -- Public Information/ Detour Open House Synopsis

Same with this one. Thanks.

Bobby

From: Osbun, Jenna C
Sent: Friday, May 25, 2018 1:25 PM
To: Mann, Scott; Carter, Dennis; Jim Woodson; Birmingham, Juanita Y; Hartley, Chadwick
Cc: Pirkle, Meg; Patel, Hiral; Shelby, Albert; Nesbitt, Kimberly; Duff, Eric; Phillips, Amber; Abikoye, Abolanle (Kay); Dollar, Robert (Bobby)
Subject: PI# 0013801 & 0013802 , Brooks County -- Public Information/ Detour Open House Synopsis

Hi everyone,

Below please find below a brief synopsis of last night's Open House. Please let me know if you have questions or concerns.

Brief Project Description	SR 122 @ Mule Creek Bridge Replacement, (0013801) SR 122 @ Brice Pond Tributary and Okapilco Creek Bridge Replacement (0013802)						
Date of Open House	May 24, 2018		End of Comment Period		June 7, 2018		
Number in Attendance	5						
Officials in Attendance (list name and title)	Public Officials: Joe Wingate – Brooks County Commissioner Marvin Bryan – Mayor of Pavo						
Comment Breakdown (for comments provided at the Open House)							
No written or court-reporter comments received at PIOH.							
For	0	Conditional	0	Uncommitted	0	Against	0
Major concerns:	- Minor concern over project detour and duration of road closure						
Prepared by (include firm's name if applicable):	Jim Woodson, Edwards-Pitman, for Sam Boring, GDOT OES						

Thanks!

Jenna Osbun, Environmental Analyst
Georgia Department of Transportation

- Name Justin DeVane
 - Date 10-3-2017
 - Title Administrator
 - County Brooks
 - PI or Structure Number (from letter) PI 0013801 / PI 0013802
-

Q1

Please quantify the number of impacts anticipated by an off-site detour.

- Daily number of vehicles unknown
 - Daily number of trucks unknown
 - Number of residences several
 - Number of businesses 1, west of Beatty Road in Pavo
 - Detour length over 10 miles depending on direction of travel
-

Q2

Please rate the impact on service if the bridge were closed for up to a year?

- Major Concerns

Q3

If concerns were identified, please specify what they are below, be as specific as possible (Conditions of detour route, location of students, new development expected, weight restrictions, etc.)

As discussed by myself and the Board, we are concerned that the length of time and amount of traffic to be expected on the detour routes would cause serious and rapid deterioration to the road base on both the north and south detour route roads. As you are aware, these roads are typical low traffic County roads and our concern is that areas on these routes that have not been resurfaced would rapidly fail, possibly during the course of the detour, and would certainly cause damage to the road base that may not become apparent until after the construction period has ended. In addition, there are sections of the detour routes that have been resurfaced. Most of the resurfacing we do does not account for a full year's worth of exposure to the traffic amount one would expect during this period. I believe we would also be concerned with truck traffic on unfamiliar roads would cause an increase in accidents, and issues with truck drivers using GPS systems that make wrong choices, cause trucks to get stuck on dirt roads or in tight corners.

Q4

Are there any future time periods or events that you know of where bridge closure would be of particular concern? Please note the event and any details you are familiar with.

Not at this time, other than a large number of people use this route to commute to work and school

Q5

Is there anyone you feel we should contact specifically regarding this project? Please note their name, phone number, and reason we should contact them?

Joe Wingate, District 1 Commissioner, 229-560-2125, this will affect his district and is very concerned how people would react

Q6

Are there any additional comments you have regarding the project? Are the road names referenced the names the locals would use?

The Board and I feel like GDOT should consider other options, either detouring traffic down Highway 33 or re-consider road re-alignment and construction of two new bridges next to the current road center line.

- NameDr. Al Williams
- Date9/21/17
- TitleDirector of Operations
- CountyBrooks County
- PI or Structure Number (from letter)0013802

Q1

How many School Buses crossings over this bridge are there per

- Number of Trips3

- Q2

Please rate the impact on service if the bridge were closed for up to a year?

- No Concerns

Q3

If concerns were identified, please specify what they are below, be as specific as possible (Conditions of detour route, location of students, new development expected, weight restrictions, etc.)

Respondent skipped this question

Q4

Are there any future time periods or events that you know of where bridge closure would be of particular concern? Please note the event and any details you are familiar with.

None

Q5

Is there anyone you feel we should contact specifically regarding this project? Please note their name, phone number, and reason we should contact them?

Respondent skipped this question

Q6

Are there any additional comments you have regarding the project? Are the road names referenced the names the locals would use?

Respondent skipped this question

From: Dollar, Robert (Bobby) <RDollar@dot.ga.gov>

OES Concurrs

Sent: Wednesday, March 24, 2021 10:18 AM

To: Sanders, Matthew <MSanders@dot.ga.gov>

Subject: RE: 0013802 Request for OES (Detour) Concurrence *Urgent*

Then I concur.

Thanks,

Bobby Dollar

Environmental Program Manager

(Districts 1, 2, and 4)



Office of Environmental Services

600 West Peachtree Street, 16th Floor

Atlanta, GA 30308

Office: 404-631-1920

Mobile 404-819-9858

From: Sanders, Matthew <MSanders@dot.ga.gov>

Sent: Wednesday, March 24, 2021 10:17 AM

To: Dollar, Robert (Bobby) <RDollar@dot.ga.gov>

Subject: RE: 0013802 Request for OES (Detour) Concurrence *Urgent*

Yes, nothing has changed in that respect and what is shown is what was included for the public meeting.

Matt Sanders

Consultant Project Manager, Bridge Program



Office of Program Delivery

600 West Peachtree Street, 25th Floor

Atlanta, Georgia 30308

Cell: (404) 403-3110

Email: MSanders@dot.ga.gov

NOTICE OF DETOUR APPROVAL

P.I. 0013802 BROOKS COUNTY

Notice is hereby given that the Georgia Department of Transportation has approved the use of and the routing of a detour for this project.

The date of detour approval is: April 30, 2021

The Georgia Department of Transportation (GDOT) is proposing to replace two bridges on State Route (SR) 122 over Brice Pond Tributary and Okapilco Creek located in Brooks County approximately seven miles east of Pavo. The proposed bridge over Brice Pond Tributary will be 400-ft long and have two 12-ft travel lanes and two 6-ft shoulders. The proposed bridge over Okapilco Creek will be 775-ft long and have two 12-ft travel lanes and two 6-ft shoulders. The proposed roadway will have two 12-ft travel lanes and 6-ft shoulders. The total length of the project is approximately 1.0 mile.

This project would include an off-site detour. SR 122 will be closed for approximately 18 months and traffic will be rerouted using State Routes and marked with detour signs. The preferred route for the official detour will be to use SR 133, SR 35, and SR 33 to the north, and SR 33, SR 38, and SR 333 to the south.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation: For information or questions regarding the Detour Route, please contact:

Paul Kaspereen
Area Engineer
District 4, Area 1
pkaspereen@dot.ga.gov
1411 Madison Hwy
Valdosta, GA 31601
(229) 333-5287